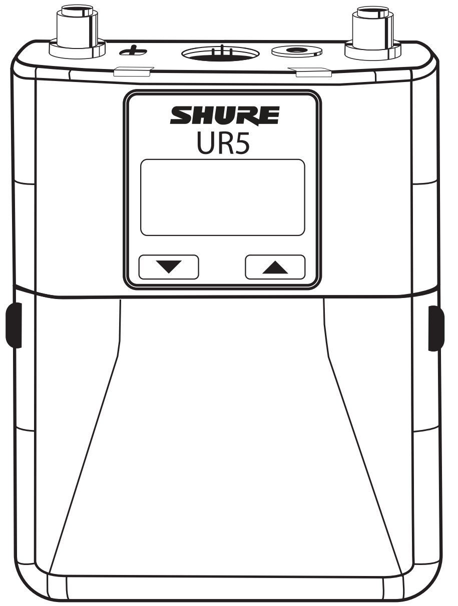
UR5

Portable Wireless Receiver



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⚠ WARNING!

LISTENING TO AUDIO AT EXCESSIVE VOLUMES CAN CAUSE PERMANENT HEARING DAMAGE. USE AS LOW A VOLUME AS POSSIBLE.

Over exposure to excessive sound levels can damage your ears resulting in permanent noise-induced hearing loss **(NIHL)**. Please use the following guidelines established by the Occupational Safety Health Administration **(OSHA)** on maximum time exposure to sound pressure levels before hearing damage occurs.

90 dB SPL at 8 hours	**95 dB SPL** at 4 hours	**100 dB SPL** at 2 hours	**105 dB SPL** at 1 hour
110 dB SPL at ½ hour	**115 dB SPL** at 15 minutes	**120 dB SPL** Avoid or damage may occur	

SAFETY PRECAUTIONS

The possible results of incorrect use are marked by one of the two symbols - "WARNING" AND "CAUTION" - depending on the imminence of the danger and the severity of the damage.

⚠ WARNING: Ignoring these warnings may cause severe injury or death as a result of incorrect operation.

⚠ CAUTION: Ignoring these cautions may cause moderate injury or property damage as a result of incorrect operation.

⚠ WARNING

- If water or other foreign objects enter the inside of the device, fire or electric shock may result.
- Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm

⚠ CAUTION

- Never disassemble or modify the device, as failures may result.
- Do not subject to extreme force and do not pull on the cable or failures may result.

⚠ ADVERTENCIA

EL ESCUCHAR REPRODUCCIONES DE AUDIO A NIVELES EXCESIVOS DE VOLUMEN PUEDE CAUSAR DAÑOS PERMANENTES AL OIDO. USE EL VOLUMEN MAS BAJO POSIBLE.

La exposición prolongada a niveles sonoros excesivamente intensos puede dañar los oídos y causar una pérdida permanente del oído causada por ruidos. Respete los lineamientos dados a continuación, los cuales fueron establecidos por la Administración de Salud y Seguridad Ocupacional **(OSHA)** de los EE.UU. e indican el tiempo máximo que puede escucharse un nivel determinado de presión sonora (SPL) antes de producirse daños al oído.

90 dB SPL por 8 horas	**95 dB SPL** por 4 horas	**100 dB SPL** por 2 horas	**105 dB SPL** por 1 hora
110 dB SPL por 1/2 hora	**115 dB SPL** por 15 minutos	**120 dB SPL** Evítese por completo, puesto que puede causar daños inmediatos	

PRECAUCIONES DE SEGURIDAD

Los posibles resultados del uso incorrecto de este producto se denotan por medio de uno de dos símbolos - "ADVERTENCIA" y "PRECAUCION" - según la inminencia del peligro y el grado de severidad de los daños.

⚠ ADVERTENCIA: Si se pasan por alto estas advertencias se podría causar lesiones graves o mortales como resultado del uso incorrecto.

⚠ PRECAUCION: Si se pasan por alto estas precauciones se podría causar lesiones moderadas y daños a la propiedad como resultado del uso incorrecto.

⚠ ADVERTENCIA

- Si el agua u otros objetos extraños penetran el dispositivo, se podría causar un incendio o sacudidas eléctricas.
- No intente modificar este producto. Hacerlo podría causar lesiones personales y/o la falla del producto.

⚠ PRECAUCION

- Nunca desarme ni modifique el dispositivo, ya que esto podría causar fallas.
- No someta el aparato a fuerzas extremas ni tire de su cable, ya que esto podría causar fallas.

⚠ ACHTUNG!

MÖGLICHST GERINGE LAUTSTÄRKEPEGEL VERWENDEN.

Längerfristiges Hören bei übermäßigen Schallpegeln kann zu Hörschäden und zu permanentem, durch Lärm verursachten Gehörverlust führen. Bitte orientieren Sie sich an den folgenden von der Occupational Safety Health Administration **(OSHA; US-Arbeitsschutzbehörde)** erstellten Richtlinien für die maximale zeitliche Belastung durch Schalldruckpegel, bevor es zu Hörschäden kommt.

bei 90 dB Schalldruckpegel max. 8 Stunden	**bei 95 dB Schalldruckpegel** max. 4 Stunden	**bei 100 dB Schalldruckpegel** max. 2 Stunden	**bei 105 dB Schalldruckpegel** max. 1 Stunde
bei 110 dB Schalldruckpegel max. ½ Stunde	**bei 115 dB Schalldruckpegel** max. 15 Minuten	**120 dB Schalldruckpegel** vermeiden; ansonsten können Schäden auftreten	

SICHERHEITSVORKEHRUNGEN

Die möglichen Folgen des fehlerhaften Gebrauchs, die durch eines der beiden Symbole - „ACHTUNG“ und „VORSICHT“ - markiert sind, hängen von der Unmittelbarkeit der bevorstehenden Gefahr und des Schweregrads der Beschädigung ab.

⚠ ACHTUNG: Die Nichtbeachtung dieser Warnhinweise kann schwere oder tödliche Verletzungen infolge des fehlerhaften Gebrauchs verursachen.

⚠ VORSICHT: Die Nichtbeachtung dieser Vorsichtshinweise kann mittelschwere Verletzungen oder Sachschäden infolge des fehlerhaften Gebrauchs verursachen.

⚠ ACHTUNG

- Falls Wasser oder andere Fremdstoffe/-körper in das Gerät gelangen, kann es zu Bränden oder Stromschlägen kommen.
- Nicht versuchen, dieses Produkt zu modifizieren. Ansonsten könnte es zu Verletzungen und/oder zum Produktausfall kommen.

⚠ VORSICHT

- Das Gerät nie auseinanderbauen oder modifizieren, da dies zu Ausfällen führen kann.
- Keinen extremen Kräften aussetzen und nicht am Kabel ziehen, da dies zu Ausfällen führen kann.

⚠ AVERTISSEMENT !

L'ÉCOUTE AUDIO À UN VOLUME SONORE EXCESSIF PEUT CAUSER DES LÉSIONS AUDITIVES PERMANENTES. RÉGLER LE VOLUME LE PLUS BAS POSSIBLE.

Une surexposition à des volumes sonores excessifs peut causer des lésions aux oreilles entraînant une perte auditive permanente due au bruit. Se conformer aux directives ci-dessous, établies par l'Occupational Safety Health Administration **(OSHA)** pour les limites de durée d'exposition aux pressions acoustiques (SPL) avant de risquer des lésions auditives.

SPL de 90 dB pendant 8 heures	**SPL de 95 dB** pendant 4 heures	**SPL de 100 dB** pendant 2 heures	**SPL de 105 dB** pendant 1 heure
SPL de 110 dB pendant 1/2 heure	**SPL de 115 dB** pendant 15 minutes	**SPL de 120 dB** À éviter : risque de lésions auditives	

PRÉCAUTIONS DE SÉCURITÉ

Les résultats possibles d'une utilisation incorrecte sont signalés par l'un des deux symboles - AVERTISSEMENT et ATTENTION - selon l'imminence du danger et la sévérité des dommages.

⚠ AVERTISSEMENT : L'ignorance de ces avertissements peut causer des blessures graves ou la mort suite à une utilisation incorrecte.

⚠ ATTENTION: L'ignorance de ces mises en garde peut causer des blessures modérées ou des dégâts matériels suite à une utilisation incorrecte.

⚠ AVERTISSEMENT

- Si de l'eau ou autres matériaux étrangers pénètrent dans l'appareil, il y a risque d'incendie ou de choc électrique.
- Ne pas essayer de modifier ce produit. Une telle opération est susceptible d'entraîner des blessures ou la défaillance du produit.

⚠ ATTENTION

- Ne jamais désassembler ou modifier cet appareil sous peine de provoquer des défaillances.
- Ne pas soumettre le câble à des forces extrêmes et ne pas tirer dessus sous peine de provoquer des défaillances.

⚠ AVVERTENZA

L'ASCOLTO A VOLUME ECCESSIVAMENTE ELEVATO PUÒ DANNEGGIARE L'UDITO IN MODO PERMANENTE. MANTENETE IL VOLUME AL PIÙ BASSO LIVELLO POSSIBILE.

La sovraesposizione a livelli sonori eccessivi può danneggiare l'udito provocando una perdita di udito permanente causata dal rumore. Si consiglia di attenersi alle seguenti direttive stabilite dalla **OSHA** (Occupational Safety Health Administration) sul tempo massimo di esposizione a vari livelli di pressione sonora (SPL), oltre il quale si rischia di causare lesioni all'apparato uditivo.

90 dB di SPL per 8 ore	**95 dB di SPL** per 4 ore	**100 dB SPL** per 2 ore	**105 dB di SPL** per 1 ora
110 dB di SPL per mezz'ora	**115 dB di SPL** per 15 minuti	**120 dB di SPL** Evitate l'esposizione per non rischiare di danneggiare l'udito	

PRECAUZIONI DI SICUREZZA

I possibili effetti di un uso errato sono contrassegnati da uno dei due simboli - “AVVERTIMENTO” E “ATTENZIONE” — a seconda dell'incombenza del pericolo e della gravità del danno.

⚠ AVVERTIMENTO: come conseguenza di un funzionamento errato, ignorare questi messaggi può comportare lesioni personali gravi o mortali.

⚠ ATTENZIONE: come conseguenza di un funzionamento errato, ignorare questi messaggi può comportare lesioni personali di media gravità o danni alla cose.

⚠ AVVERTIMENTO:

- L'eventuale introduzione di acqua o di altri corpi estranei nel dispositivo può dare luogo allo sviluppo di incendi o a folgorazione.
- Non tentate di modificare il prodotto. Tale operazione può causare infortuni e/o il guasto del prodotto stesso.

⚠ ATTENZIONE

- Per evitare di provocare possibili danni, non smontate nè modificate il dispositivo.
- Per evitare di provocare possibili danni, non applicate una forza estrema sul cavo e non tiratelo.

⚠ ATENÇÃO!

OUVIR O SOM COM VOLUME MUITO ALTO PODE CAUSAR DANOS PERMANENTES À AUDIÇÃO. USE O VOLUME MAIS BAIXO POSSÍVEL.

A exposição a sons excessivamente altos pode danificar os ouvidos e resultar em perda permanente da audição devido ao ruído. Siga as recomendações estipuladas pela Administração de Saúde e Segurança do Trabalho dos E.U.A. (U.S. Occupational Safety Health Administration-**OSHA**) sobre o máximo tempo de exposição a determinados níveis de pressão sonora (SPL) a fim de evitar danos à audição.

90 dB SPL por 8 horas	**95 dB SPL** por 4 horas	**100 dB SPL** por 2 horas	**105 dB SPL** por 1 hora
110 dB SPL por ½ hora	**115 dB SPL** por 15 minutos	**120 dB SPL** Evite ou poderá ocorrer dano	

MEDIDAS DE SEGURANÇA

Os possíveis resultados do uso incorreto são marcados por um de dois símbolos - “ATENÇÃO” e “CUIDADO” - dependendo da iminência do perigo e da severidade do dano.

⚠ TENÇÃO: Não seguir esses avisos de atenção pode causar lesão grave ou morte em conseqüência da operação incorreta.

⚠ CUIDADO: Não seguir esses avisos de cuidado pode causar lesão moderada ou danos à propriedade em conseqüência da operação incorreta.

⚠ ATENÇÃO

- Incêndio ou choque elétrico pode ocorrer caso água ou objetos estranhos entrem no dispositivo
- Não tente modificar este produto. pois pode resultar em lesão pessoal e/ou falha do produto.

⚠ CUIDADO

- Não desmonte ou modifique o dispositivo uma vez que pode resultar em falhas.
- Não sujeite à força demasiada e não puxe o cabo pois pode resultar em falhas.

⚠ ВНИМАНИЕ:

ПРОСЛУШИВАНИЕ ЗВУКА ПРИ ЧРЕЗМЕРНО ВЫСОКОЙ ГРОМКОСТИ МОЖЕТ ПРИВЕСТИ К НЕОБРАТИМОМУ ПОВРЕЖДЕНИЮ СЛУХА.ИСПОЛЬЗУЙТЕ КАК МОЖНО БОЛЕЕ НИЗКУЮ ГРОМКОСТЬ.

Длительное воздействие звука чрезмерно высокого уровня может причинить вам вред, вызвав необратимую потерю слуха из-за шума. Во избежание потери слуха руководствуйтесь следующими правилами, установленными Управлением охраны труда **(OSHA)** в отношении максимального времени воздействия различных уровней звукового давления (УЗД).

УЗД 90 дБ 8 часов	**УЗД 95 дБ** 4 часа	**УЗД 100 дБ** 2 часа	**УЗД 105 дБ** 1 час
УЗД 110 дБ 1/2 часа	**УЗД 115 дБ** 15 минут	**УЗД 120 дБ** Недопустимо — ведет к повреждению слуха	

УКАЗАНИЯ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ

Возможные результаты неправильного использования отмечены одним из двух знаков - «ВНИМАНИЕ» и «ОСТОРОЖНО» - в зависимости от неизбежности опасности и серьезности повреждений.

⚠ ВНИМАНИЕ: Игнорирование этих предупреждений может привести к серьезной травме или смерти в результате неправильной эксплуатации.

⚠ ОСТОРОЖНО: Игнорирование этих предупреждений может привести к незначительной травме или повреждению имущества в результате неправильной эксплуатации.

⚠ ВНИМАНИЕ

- Если в устройство попадет вода или иные посторонние предметы, это может привести к возгоранию или поражению электрическим током.
- Не пытайтесь модифицировать это изделие. Это может привести к личной травме и (или) поломке изделия.

⚠ ОСТОРОЖНО

- Ни в коем случае не разбирайте и не модифицируйте это устройство, поскольку это может привести к поломке.
- Не подвергайте сильным нагрузкам и не тяните за кабель - это может привести к поломке.
- Содержите микрофон сухим и не подвергайте его воздействию очень высоких или низких температур и влажности.

General Description

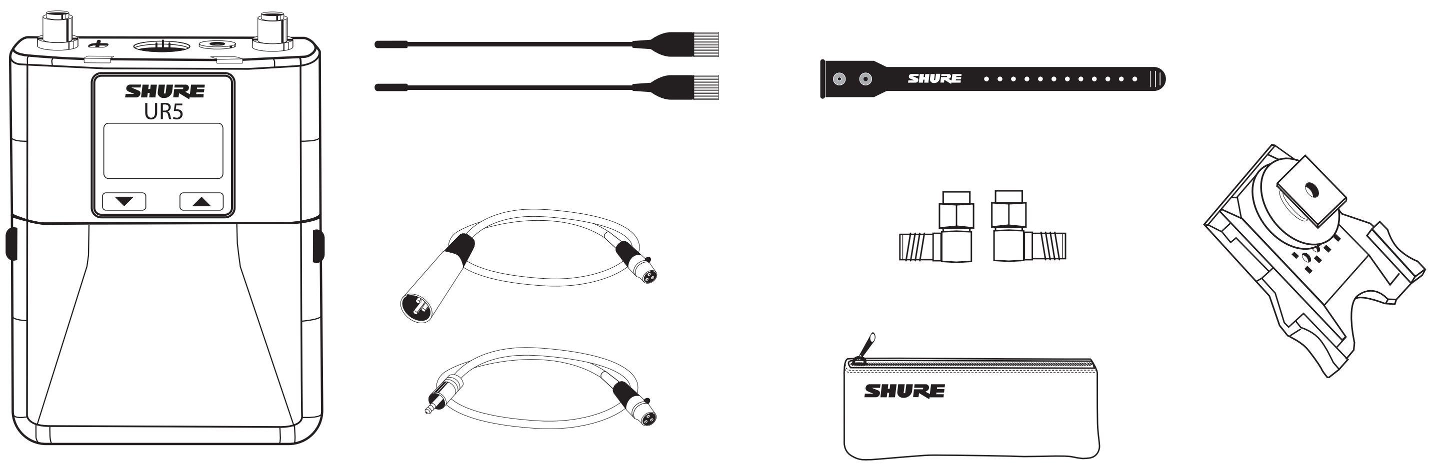
The UR5 is a premium portable wireless microphone receiver component, designed to provide Shure UHF-R®-class wireless technology, performance and quality for professional field and media production applications. Featuring wide-band frequency tuning, hands-on navigation, rechargeability, and a wide variety of mounting options, the UR5 is the clearest choice for wireless portability.

Features

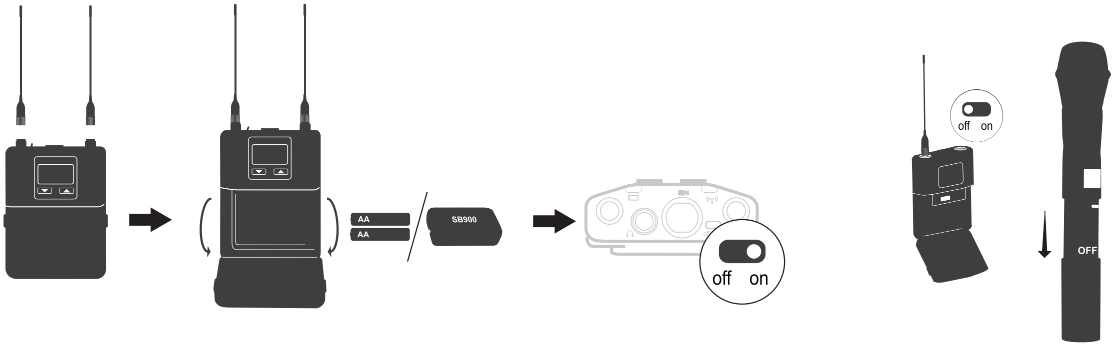
- Wide-band frequency tuning
- True diversity
- Balanced Output
- Variety of mounting options
- Operates with standard AA batteries or Shure SB900 rechargeable battery

Included Components

- UR5: Portable Wireless Receiver
- 1/4 Wave Antennas (2)
- TA3F to XLRM Audio Cable
- TA3F to 3.5 mm (1/8”) Audio Cable
- AA Batteries (2) (except in Argentina)
- Shoe Mount
- Mounting Strap
- 90° SMA Adapters (2)
- Zippered Pouch
- Protective Cover

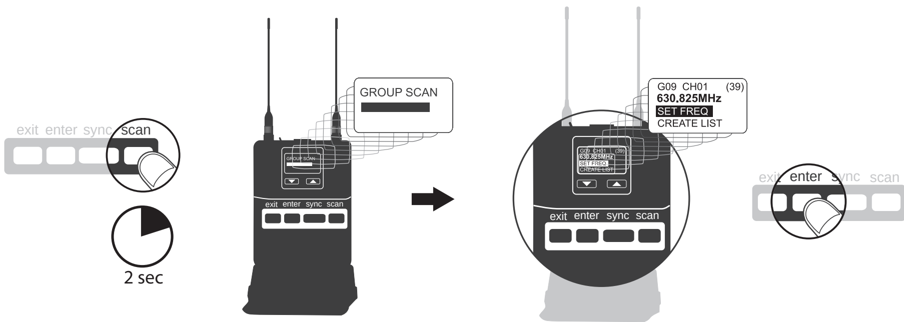


1



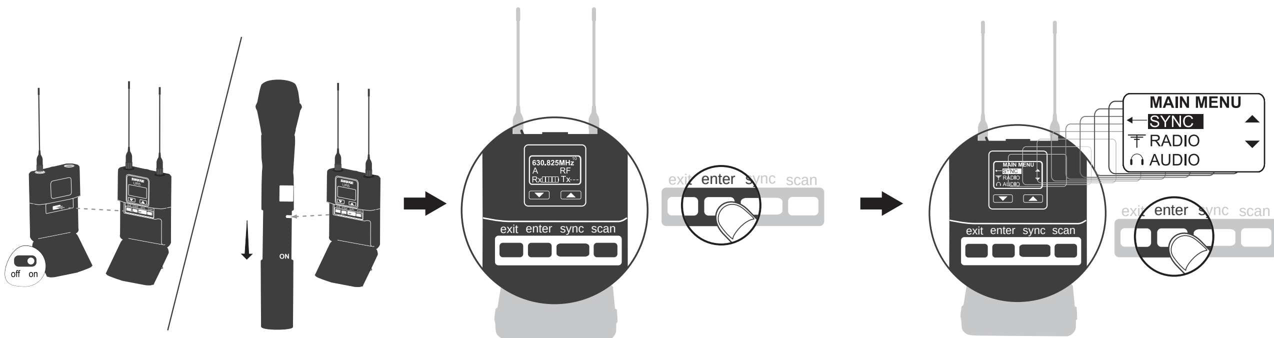
AA
AA
SB900
off on
off on
OFF

2



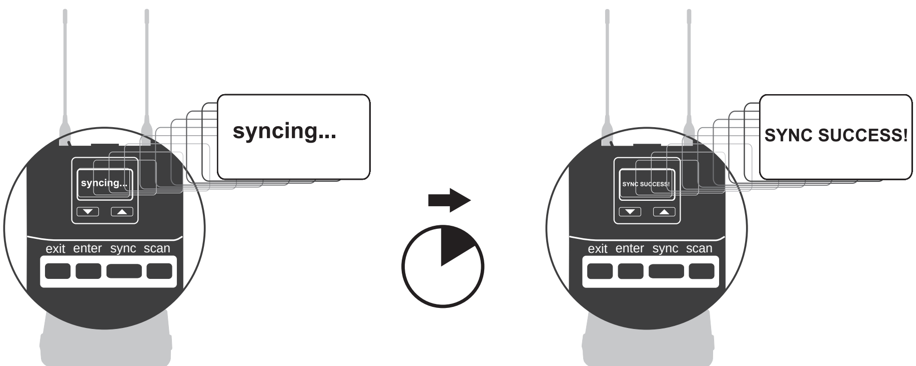
exit enter sync scan
2 sec
GROUP SCAN
exit enter sync scan
G09 CH01 (39)
630.825MHz
SET FREQ
CREATE LIST
exit enter sync scan
exit enter sync scan

3



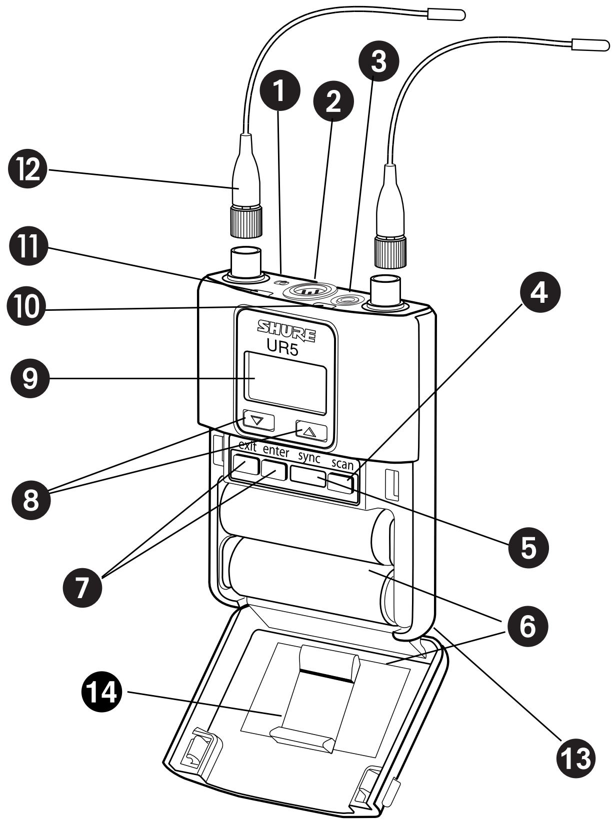
off on
ON
630.825MHz
A RF
exit enter sync scan
exit enter sync scan
MAIN MENU
SYNC
RADIO
AUDIO
exit enter sync scan
exit enter sync scan

4



syncing...
exit enter sync scan
SYNC SUCCESS!
exit enter sync scan

UR5 Portable Receiver



① Power Switch
Turns the portable receiver on and off.

② TA3M Jack.
For audio out.

③ 3.5 mm Headphone Jack
For monitoring audio.

④ Scan Button
Press the scan button to find the next available channel. Press and hold for two seconds to find the group with the most available channels.

⑤ IR Window
For transferring RF settings and name to a transmitter, or copying the MTx list to another receiver.

⑥ Battery Compartment
Install 2 AA batteries or a Shure SB900 rechargeable battery. Open by pressing the latches on both sides and pulling outward.

⑦ Menu Buttons
Use in conjunction with the ▼▲ buttons to access the configuration menus.

⑧ ▼▲ Buttons
Use to scroll through menus, change settings, or select transmitters in MTx mode. Can be assigned to control headphone or camera output volumes.

⑨ LCD Screen
Displays current settings and menus.

⑩ Tri-Color Battery LED
Illuminates green, amber, or red to indicate battery power. When red, change batteries immediately.

⑪ Blue RF LED
Indicates the portable receiver is receiving a signal from the transmitter.

⑫ Detachable Antennas (2)
SMA Connectors (2)

⑬ Power Through Contacts
For powering the receiver when inserted into the Shure AFP522DC camera mount. The receiver automatically switches to internal power when removed from the mount or external power is lost.

⑭ Removable AA Adapter
Remove to use with a Shure SB900 rechargeable battery.

Note: To remove adapter, open door and slide adapter out. To reinstall, press the adapter into place—there is an audible click when seated.

Power

The UR5 can be powered by AA batteries, a Shure SB900 rechargeable battery, or through the Shure AFP522DC camera mount.

Standard AA Batteries

Use the AA adapter (installed in the battery compartment as shipped) when using AA batteries.

For the battery icon to accuratly display battery life, select the battery type from the battery menu (**SYST CONF** > **BATTERY**).

Note: Battery type is set to alkaline by default.

SB900 Rechargeable Battery Information

When using an SB900 rechargeable battery, battery life is displayed in hours and minutes on the home screen. The battery menu displays battery status:
SYST CONF > BATTERY

Hrs: Min Left:
The number of hours and minutes of battery life left (accurate to within 15 mins)

Health
Battery health displayed as a percentage

Status
Displayed as percentage full and mAh

Temperature
Displayed in Celsius and Fahrenheit

Cycle Count
Displays the number of times battery has been charged

Battery Life

Battery Indicator	Approximate Hours Remaining		
	LED	**Alkaline**	**Li-ION**
	Green	2½–5	7–13
	Green	2–2½	5–7
	Green	1½–2	3–5
	Green	1–1½	2–3
	Amber	½–1	1–2
	Red	<½	<1

Note: Using lower-impedance earphones, different battery types, and higher gain settings may cause the receiver battery life to be different than specified.

Audio

Audio Setup

Use the following steps to connect the receiver to a camera. These steps can also be used to connect to other devices, such as field recorders.

1. Adjust the transmitter output level so that the audio level meter bars on the receiver are close to, but not at, the peak level (5th segment on the audio bar).
2. Check the input setting on the device to which you are connecting the receiver. Set the camera output volume on the receiver accordingly (**AUDIO** > **CAMERA VOL**).

Input Setting on the Camera	UR5 Camera Output Volume
AUX level	-5 dB - +10 dB)
MIC level	-36dB - -5 dB

3. Attach the supplied TA3F audio cable to the receiver camera output.
4. Mount the receiver on the camera.
5. Connect the cable to the audio input on the camera.
6. Adjust the camera input to the desired level.

Audio Settings

Use the audio menu (**AUDIO**) to adjust camera output level and headphone volume.

CAMERA VOL
Adjusts camera output level to match the input level of the device to which you connect the receiver.

HP VOLUME
Adjusts headphone volume.

HPO MODE
Disables camera output and increases headphont output gain. Assigns ▼▲ buttons to adjust the output of headphone volume. Return to AUDIO menu to exit HPO MODE.

Quick Access Volume Adjustment

The receiver can be configured so that the ▼▲ buttons adjust the output or headphone volume. This allows you easily adjust volume while the receiver is mounted, without having to enter the audio menu.

Note: This setting does not apply when in MTx mode.

UTILITIES > VOL. ASSIGN

CAMERA OUT
The ▼▲ buttons adjust camera output volume.

HEADPHONE
The ▼▲ buttons adjust headphone volume.

NONE(default)
The ▼▲ buttons do not affect volume.

Tone Generator

Access the tone generator menu to send a tone to the camera output (**UTILITIES** > **TONE GEN**). Use the ▼▲ buttons to select tones of 100 Hz, 1 kHz, or 5 kHz. Exiting turns off the tone generator.

Note: Audio from the transmitter is interrupted while in this menu.

SystemSetup

Scan and Sync

Use this procedure to set a receiver and transmitter to the same open channel.

Important! Before you begin:

- Turn off the RF on the transmitters for the systems you are setting up. (This prevents them from interfering with the frequency scan.)
- Turn on potential sources of interference such as other wireless systems or devices, computers, CD players, large LED panels, effects processors, and digital rack equipment so they are operating as they would be during the presentation or performance (so the scan will detect and avoid any interference they generate).

1. Perform a group scan on the receiver by pressing and holding the **scan** button for two (2) seconds. **GROUP SCAN** appears while the receiver scans for the best group of frequencies in your RF environment.
2. After the scan completes, the receiver displays the best available frequency and highlights the **SET FREQ** menu item. Press **enter** to accept the frequency and return to the home screen.
3. From the receiver home screen, press **enter** to go to the main menu and highlight **SYNC**.
4. Power on the selected UHF-R transmitter, align the IR windows, and press **enter** on the receiver to begin the sync.
5. **SYNCING…** appears on the LCD. When complete, **SUCCESS** appears and the LEDs on the receiver flash. The transmitter and receiver are now tuned to the same frequency.

Multiple System Setup

When setting up multiple systems, begin by setting up the first system as follows:

1. Conduct a group scan on the receiver by pressing and holding the **scan** button for two seconds.

Note the group number and number of compatible frequencies.
Press **enter** to accept the selected frequency.



2. Sync the receiver with the transmitter. Leave the transmitter on.

Repeat the following steps for each additional system:

1. Manually set the receiver to the designated group.
2. Press **scan** once to find the next compatible frequency.
3. Sync with transmitter and leave transmitter on while setting up additional systems.

Radio Frequency (RF) Settings

Transmitter Compatibility

The receiver is compatible with both UHF-R and Axient transmitters, but must be set to the correct system mode. Select the transmitter type from the system mode menu (**SYS MODE**). This configures the receiver with a compatible tonekey, audio companding, and IR sync protocol. The UR5 does not have Axient ShowLink capabilities.

Note: Changing modes removes all entries in the MTx list. You will be prompted with the following warning: **MTx MODE LIST WLL BE ERASED?**.

System Mode Menu

SYST CONF > SYS MODE

UHF-R - Compatible with UHF-R transmitters.

Axient - Compatible with Axient transmitters.

RF Pad

Access the RF pad menu (**RADIO** > **RF PAD**) to attenuate antenna signal level in 1 dB increments.

Scanning for an Open Channel

If you experience interference, use one of the following frequency scans to analyze the RF environment and identify an available frequency.

- Channel Scan: Press the scan button on the receiver. Finds the first available channel.
- Group Scan: Press and hold the scan button for two seconds. Finds the group with the greatest number of available channels. (Each group contains a set of frequencies that are compatible when operating multiple systems in the same environment.)
- Full Scan: Scans the full RF band and allows you to view the results in a graphical display.

Full Scan

This feature scans the RF band in 25 kHz increments for all available frequencies, first with antenna A, then with antenna B. You can then view a graphical display of the results.

1. Navigate to the full scan menu (**RADIO** > **FULL SCAN**)
2. Select **RUN SCAN** and press **enter** to initiate the full scan.
3. Once the scan is completed, select **SPECTRUM** from the full scan menu to view the results.

Note: If the full scan is interrupted, no data is stored, and **NO DATA** displays on the screen.

Viewing Full Scan Results

Use the spectrum menu to display full scan results (**RADIO** > **FULL SCAN** > **SPECTRUM**).

- A cursor appears as a small arrow on the top left side of the graph.
- Use the ▼▲ to move the cursor left or right
- Press the **scan** button to view the frequency and dBm at the cursor location. The dBm information is accurate within +5 dB between -100 to -5 dBm.
- Zoom in and out using the **enter** and **exit** buttons. There are views 60 MHz, 9 MHz, or 1 MHz wide.

To return to the home sreen, press the **exit** button repeatedly.

Note: The full scan results are retained in memory even after the receiver is powered off. For accurate results, perform a new full scan if there are changes in location or RF environment.

Setting the Receiver to a Frequency from the Spectrum View

1. Use the spectrum menu to display full scan results (**RADIO** > **FULL SCAN** > **SPECTRUM**).
2. Move the cursor to the desired area of the spectrum, usually one with the least amount of interference.
3. Zoom into the 1 MHz-wide view using the **enter** button.
4. Press **scan**. The frequency is displayed with the following prompt: **Enter to Set?**.
5. Press **enter** to set the receiver to the diplayed frequency and return to the home screen.

Manual Frequency Selection

To manually adjust group, channel or frequency, use the **RADIO** > **SET FREQ** menu.

Squelch

Squelch mutes the audio output from the receiver when the transmitter tonekey RF signal becomes low or in the presence of high RF noise. While squelch is activate, the blue LED on the portable receiver turns off.

WARNING: Adjusting the squelch can negatively affect RF and audio performance. Use the default setting **HIGH (NORMAL)** unless absolutely necessary.

Squelch Settings

HIGH (NORMAL)		Default factory setting.
MID		Moderately decreases the signal-to-noise ratio required to squelch the receiver.
LOW		Greatly decreases the noise squelch threshold.
HIGH NO TK*	/	High squelch without a tonekey.
NO SQUELCH*	⊗	Turns off noise and tonekey squelch. (Used as a debugging tool by engineers or RF coordinators to “listen” to the RF environment.)
* Symbol appears in display window.		

Other Settings

Receiver Label

To change the name displayed on the home screen, use the **UTILITIES** > **RX NAME** menu. Use the ▼▲ buttons to change each character. Press the **scan** button to move the cursor to the next character. Press **enter** to save the name.

LCD Screen Display Settings

Home Screen

Change the appearance of the LCD from the display menu (**SYST CONF** > **DISPLAY**).

Use the ▼▲ buttons to preview the different ways of displaying information on the home screen. Press **enter** to accept the selection.

Contrast

Change the contrast of the LCD from the contrast menu (**SYST CONF** > **CONTRAST**).

Use the ▼▲ buttons to set the desired contrast.

Lock Panel

Locks UR5 Controls(**UTILITIES** > **LOCK PANEL**).

Select and press **enter**.

Restore

Resets UR5 to factory default parameters(**SYST CONF** > **RESTORE**).

Select and press **enter**.

Using Multiple Transmitters with a Single Receiver (MTx Mode)

The MTx feature stores a list of presets, allowing you to easily switch from one transmitter to another without having to reconfiguring receiver settings. This replaces the need to mount multiple receivers on your camera whenever you only need to tune to one transmitter at a time.

The presets are stored as entries in the MTx list. Each entry stores a name, RF channel, and receiver camera output volume. Transmitters can be synced to entries in the list, which transfers the entry name and RF channel settings over the IR port.

To use the presets, enter MTx mode on the receiver and scroll through the MTx list with the ▼▲ buttons to receive audio from the transmitter on that RF channel.

Multiple entries can be set to the same RF channel. This may be desired, for example, if the same transmitter will be used at different times throughout a performance at varying volumes.

Entering MTx Mode

To enter MTx mode, select **UTILITES** > **MTx MODE** > **ENTER MODE**. The name and RF settings for the first entry in the MTx list are displayed.

If the MTx list is empty, **EMPTY LIST PRESS ENTER TO ADD CURRENTSETTINGS** is diplayed. Press **enter** to create a new entry based on the current receiver settings.

Exiting MTx Mode

To exit MTx mode, press **enter** and select **EXIT MTx MODE**.

Creating an MTx List

Use one of the following methods to add entries to the MTx list.

Scan and Create

This creates a new MTx list with up to 40 entries. Each entry is given an auto-generated name and assigned a compatible RF channel.

When creating a new list, all existing entries are overwritten.

1. Perform a group scan (press and hold **scan** button for two seconds).
2. After the scan completes, select **CREATE LIST**
3. The receiver displays the maximum number of compatible channels available for the MTx list.

   Note: The maximum number for a MTx list is forty (40).
4. Use the ▼▲ buttons to choose the number of transmitters you want to add to the list.
5. Press **enter** to create the list.

   CREATING LIST… displays while the list populates. When complete, it displays **LIST DONE** before returning to the home screen.

Add Current

Use this method to add entries to the MTx list individually, based on the current settings of the receiver.

- Tune the receiver to the desired frequency. You may also want to adjust the reciever camera output level, as this is also stored in the list entry.
- Select **ADD CURRENT** from the MTx menu (**UTILITIES** > **MTx MODE** > **ADD CURRENT**) and press **enter**.

SUCCESS is displayed upon completion.

LIST FULL displays after reaching the maximum of 40 entries.

Copying an MTx List to Another Receiver

Use **COPY/PASTE** to transfer the MTx list from one portable receiver to another.

1. Highlight **COPY/PASTE** from the MTx menu on both receivers (**UTILITIES** > **MTx MODE**).

   Important: **COPY/PASTE** must be highlighted on both receivers.
2. Align the receiver IR windows and press **enter** on the source receiver (the receiver you want to copy from).

   The display shows **SUCCESS** and the LEDs flash on both receivers after transferring the list.

Modifying an MTx List Entry

The name, frequency, and camera output volume setting can be modified for each entry in the list.

1. Enter MTx mode (**UTILITIES** > **MTxMODE** > **ENTER MODE**).
2. Use the ▼▲ buttons to select an entry from the list.
3. Press **enter** to access the submenu for that entry.
4. Scroll to the **MODIFY** menu item and press **enter**.
5. Choose a setting to modify and press **enter**.
6. Press **exit** to cancel changes or press **enter** to save changes and return to home screen.

Transmitter Name

CLEAR?
Removes current name.

[NAME]
Change characters using the ▼▲ buttons, **scan** button to go to next character
.

Frequency

[000.000MHz]
Press **enter** to select MHz, **enter** again to select decimal increments. Change using the ▼▲ buttons.

Camera Output Volume Setting

CAM. VOL.
This allows you to set a different output volume for each entry. Press **enter** to set the level of the camera output of the receiver when tuned to the selected MTx list entry.

Removing List Entries

To delete a single entry:

1. Enter MTx mode (**UTILITIES** > **MTxMODE** > **ENTER MODE**).
2. Use the ▼▲ buttons to select an entry from the list.
3. Press **enter** to access the submenu for that entry.
4. Scroll to the **DELETE** menu item and press **enter**.

To delete the entire list:

1. Access the MTx menu (**UTILITIES** > **MTx MODE**)
2. Scroll to the **DELETE ALL** menu item and press **enter**.

Syncing Transmitters to the MTx List

After creating an MTx list, you can sync transmitters to the list entries. When you sync a transmitter to a list entry, it transfers the RF setting and name of that entry to the transmitter.

Note:

- Transmitters must be from the same frequency band as the portable receiver.
- Syncing while in MTx mode does not change any of the settings on the portable receiver.

1. Enter MTx mode (**UTILITIES** > **MTxMODE** > **ENTER MODE**).
2. Use the ▼▲ buttons to select an entry from the list.
3. Press **enter** to access the submenu for that entry.
4. Highlight the **SYNC** menu item.
5. Align the receiver and transmitter IR windows and press **enter** to begin the sync.

   The screen displays **SYNC SUCCESS** when completed.
6. Repeat for each transmitter in the list.

SPECIFICATIONS

RF Carrier Range	470–952 MHz (varies by region)
Modulation	FM, ±45 kHz maximum deviation
Antenna	Rredictive Switching Diversity
Dynamic Range	>100 dBm=, A-weighted
RF Sensitivity	< -106 dBm 12dB SINAD, -88dBm 30 dB SINAD
Spurious Rejection (ref. 12dB SINAD)	>80 dB (typical)
Squelch Threshold	30 dB SINAD (±3 dB) normal setting
Compatible Channels	Per band: 40 (band dependent)
Tuning Bandwidth	60 – 72 MHz (band dependent)
Frequency Stability	±2.5 ppm
Pilot Tone	UHF-R Mode: 32 kHz tone key pilot Axient Mode: 28 kHz tone key pilot
Audio Frequency Response	50Hz -16 kHz
Ultimate Quieting	>100 dBm=, A-weighted
Total Harmonic Distortion (ref. ±20 kHz deviation @1 kHz)	<0.4% THD (typical)
Signal-To-Noise Ratio (A-Weighted)	90 dB (typical)
Companding	Patented Shure Audio Reference Companding
Camera Output	Electronically balanced Configuration: mono TA3 Maximum output power: adjustable -35dBV to +10dBV peak Pin Assignment: Pin 1 = Gnd Pin 2 = Hot Pin 3 = Cold
Headphone Output	Adjustable Range Configuration: Unbalanced mono (L=R), 1/8th inch Minimum load impedance: 9.5 ohms Impedance: 3.5 ohm Maximum output power: 100mW Pin Assignment: Tip = Hot Ring = Hot Sleeve- Gnd
Operating Temperature	-18°C to +57°C (0°to +135° F)
Battery Life	4 hours AA Alkaline, 8 hours Shure Rechargeable Li-ion
Net Weight	200 g (with AA batteries)
Dimensions	83 mm X 65 mm X 22 mm

UR5 Frequency Bands - ABU/EMEA		
Frequency Band Name	Range	Freq. Span (MHz)
G1	470-530	60
G1E	470-530	60
H4	518-578	60
H4E	518-578	60
J5	578-638	60
J5E	578-638	60
J5HK	578-638	60
K4E	606-666	60
L3	638-698	60
L3E	638-698	60
M5E	694-758	64
P8	710-790	80
Q5	740-814	74
R9	790-865	75
R16	794-806	12
X1	944-952	8

UR5 Frequency Bands - SAL		
Frequency Band Name	Range	Freq. Span (MHz)
H4	518-578	60
H4E	518-578	60
H4HK	518-565	47
J5E	578-638	60
L3E	638-698	60
P9	710-787	77
R9	790-865	75
R16	794-806	12
R18	794-806	12

MW5		
Frequency Band Name	Range	Freq. Span (MHz)
MABJ	779-810	31
X2	925-932	7

NOTE:
This Radio equipment is intended for use in musical professional entertainment and similar applications.
This Radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and RF power levels for wireless microphone products.

ACCESSORIES AND PARTS

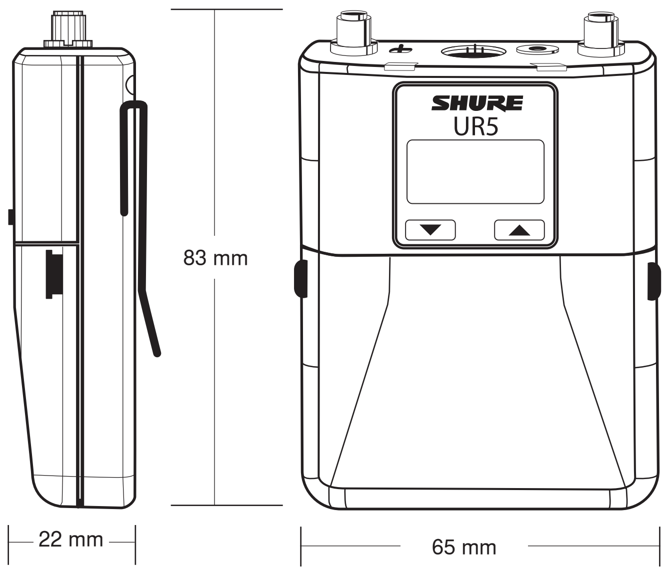
Furnished Accessories

TA3F-to-XLRm audio cable	WA451
TA3F-to-1/8"(3.5mm) audio cable	WA461
Camera shoe mount	AFP512

Optional Accessories

Shure Rechargeable Lithium Battery	SB900
Shure 8-bay Recharging Station	SBC800
Anton Bauer plate mount	AFP522
Anton Bauer DC plate mount	AFP522DC

Dimensions



CERTIFICATION

Meets essential requirements of the following European Directives:

- R&TTE Directive 99/5/EC
- WEEE Directive 2002/96/EC, as ammended by 2008/34/EC

  Please follow your regional recycling scheme for electronic waste
- RoHS Directive 2002/95/EC, as ammended by 2008/35/EC
- Conforms to European Regulation (EC) No. 1275/2008, as amended.

Meets requirements of the following standards: EN 300 422 Parts 1 and 2, EN 301 489 Parts 1 and 9, EN60065.

The UR5 was confirmed complaint based on use of LR6 AA alkaline batteries and SB900 battery pack as specified in the instructions. Use of other batteries with the equipment has not been investigated. Use of any other battery can result in risk of fire hazards.

Certified in Canada by IC to RSS-123.

IC: 616A-UR5A, 616A-UR5B, 616A-UR5D, 616A-UR5E

Approved under the Declaration of Conformity (DoC) provision of FCC Part 15.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The CE Declaration of Conformity can be obtained from Shure Incorporated or any of its European representatives. For contact information please visit www.shure.com
The CE Declaration of Conformity can be obtained from:

Authorized European representative:

Shure Europe GmbH

Headquarters Europe, Middle East & Africa

Department: EMEA Approval

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LICENSING INFORMATION

Licensing: A ministerial license to operate this equipment may be required in certain areas. Consult your national authority for possible requirements. Changes or modifications not expressly approved by Shure Incorporated could void your authority to operate the equipment. Licensing of Shure wireless microphone equipment is the user's responsibility, and licensability depends on the user's classification and application, and on the selected frequency. Shure strongly urges the user to contact the appropriate telecommunications authority concerning proper licensing, and before choosing and ordering frequencies.

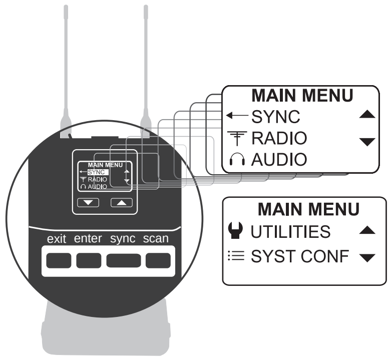
INFORMATION TO USER

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer.

Note: EMC conformance testing is based on the use of supplied and recommended cable types. The use of other cable types may degrade EMC performance.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.



SYNC

RADIO
- SET FREQ
- FULL SCAN
  - RUN SCAN
  - SPECTRUM
- SQUELCH
- RF PAD

AUDIO
- CAMERA VOL
- HP VOLUME
- HPO MODE

UTILITIES
- MTx MODE
  - ENTER MODE
  - ADD CURRENT
  - DELETE ALL
  - COPY/PASTE
- VOL ASSIGN
- TONE GEN
- RX NAME
- LOCK PANEL

SYST CONF
- SYS MODE
  - SET MODE
    - UHFR
    - AXIENT
- DISPLAY
- CONTRAST
- BATTERY
- RESTORE

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